

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs

Biopesticides and Pollution Prevention Division (7511C)

1200 Pennsylvania Avenue NW Washington, DC 20460

NOTICE OF PESTICIDE:

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Registration

Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

89285-3

Date of Issuance

JUL 2 2 2014

Term of Issuance:

Unconditional

Name of Pesticide Product:

IRF 166

Name and Address of Registrant (include ZIP Code):

Isagro USA, Inc.

430 Davis Drive, Suite 240

Morrisville, NC 27560

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Roll thom Prevention Division, prior to use of the label, in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This registration does not eliminate the need for continual reassessment of the pesticide. If the EPA determines at any time that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is unconditionally registered in accordance with FIFRA Sec. 3(c)(5) and is subject to the following terms:

- 1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
- 2. Revise the EPA Registration Number to read, "EPA Reg. No. 89285-3."
- 3. Submit three (3) copies of the revised final printed labeling before you release the product for shipment.

A stamped copy of the label and an A-79 Enclosure are enclosed for your records.

MOVally

Signature of Approving Official:

Date:

7/22/14

Robert McNally, Director

Biopesticides and Pollution Prevention Division (7511P)

IRF166

(Alternate Brand Name: DOMINUS® 100)

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

Biopesticide for Agricultural Soil Treatment Use

A BROAD SPECTRUM PRE-PLANT SOIL BIOFUMIGANT FOR THE CONTROL OF CERTAIN SOIL **BORNE FUNGI, NEMATODES, WEEDS and INSECTS**

ACTIVE INGREDIENT:

Allyl isothiocyanate	99.8%
OTHER INGREDIENTS:	0.2%
TOTAL:	100.0%

Contains 8.5 lbs. active ingredient (allyl isothiocyanate) per gallon. This product weighs 8.5 lbs. per gallon.

KEEP OUT OF REACH OF CHILDREN DANGER

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

	FIRST AID
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or physician for treatment advice.
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 minutes. Call a poison control center of doctor for treatment advice.
If swallowed	 Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person. Call a poison control center or physician for treatment advice.
If Inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice
	NOTE TO PHYSICIAN

Probably mucosal damage may contraindicate the use of gastric lavage.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Chemical Emergency Spill Leak Fire Exposure or Accident Call CHEMTREC Day or Night Domestic North America 800-424-9300 International 703-527-3883 (collect calls accepted).

EPA Reg. No. (pending as File Symbol 89285-G)

Net Contents:

(Batch Code/Lot No: will be placed on the container)

Manufactured for: Isagro USA, Inc.

430 Davis Drive, Suite 240 Morrisville, NC 27560

EPA Est. No. XXXXX-XXX-XXX

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed, absorbed through skin, or inhaled. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before use.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

When performing activities without the potential for liquid contact all handlers (including applicators) must wear:

- Coveralls worn over long sleeve shirt and long pants
- · Chemical-resistant footwear plus socks
- Chemical-resistant (such as nitrile or butyl) gloves
- · Protective eyewear
- Respirator (see below)

Where liquid contact is a potential all handlers (including mixers, loaders and applicators) in addition to the above listed PPE must wear an air purifying respirator with an organic-vapor removing cartridge with pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE pre-filter.

ACCE 115

When cleaning equipment, wear a chemical resistant apron.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard any clothing and or PPE that have been drenched or heavily contaminated with this product's concentrate. Do not reuse clothing or PPE that has been drenched or heavily contaminated.

ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides, the handler PPE requirements may be reduced or modified as specified in the WPS at 40 CFR Part 170.

USER SAFETY RECOMMENDATIONS

- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

No instruction elsewhere on this labeling relieve user from complying with the requirements of the WPS.

For the entry restricted period and notification requirements, see the *Entry Restricted Period* and *Notification* section of this labeling. PPE for entry during the Entry Restricted Period that is permitted by this labeling is listed in the Personal Protective Equipment (PPE) section of this labeling.

Assure that labels and MSDS are on-site and readily available for employees to review.

ENTRY RESTRICTED PERIOD AND NOTIFICATION

Entry Restricted Period: Entry into the application block (including early entry that would otherwise be permitted under the WPS) by any person other than a correctly trained and PPE-equipped-handler-is-PROHIBITED from the start of the-application until 5 days after application is complete.

Notification: Notify workers of the application by warning them orally and by posting Biofumigant Treated Area signs. The sign must state:

- 1 "DANGER/PELIGROSO"
- 2. "Areas under (fumigation)(treatment). DO NOT ENTER/NO ENTRE"
- 3. Allyl Isothiocyanate biofumigant in use
- 4. Date and time of fumigation
- 5. Date and time entry restricted period is over
- 6. IRF166 and (name of co-application)
- 7. Name, address and telephone of applicator in charge

Post the Biofumigant Treated Area sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legibility, text size and sign size (40 CFR § 170.120).

Post Biofumigant Treated Area signs defining the fumigation buffer zone, at all entrances to the application block no sooner than 24 hours prior to application and remain in place until at least 24 hours from the start of the application; Signs placed at the corners or on the edges of the treated area must remain posted for at least 5 days (120 hours) from the start of the application, e.g. for no less than the duration of the entry restricted period.

TERMS USED IN THIS LABELING

Application Block: The area within the perimeter of the fumigated portion of a field (including

furrows, irrigation ditches, and roadways). The perimeter of the application block is the border that connects the outermost edges of the total area treated with the biofumigant product.

<u>Start of the Application</u>: The time at which the biofumigant is first delivered/dispensed into the soil in the application block.

<u>Application is Complete</u>: The time at which the biofumigant has stopped being delivered/dispensed into the soil and the soil has been sealed; drip lines have been purged (if applicable).

<u>Entry Restricted Period</u>: This period begins at the start of the application and expires depending on the application method and if tarps are used when the tarps are perforated and removed. Entry into the application block during this period is only allowed for appropriately PPE-equipped handlers performing handling tasks. See the *Entry Restricted Period* and *Notification* sections of this label for additional information.

<u>Buffer Zone</u>: An area established around the perimeter of each application block. The buffer zone must extend outward from the edge of the application block perimeter equally in all directions.

<u>Buffer Zone Period</u>: Begins at the start of the application and lasts for a minimum of 24-hours after the application is complete. Non-handlers must be excluded from the buffer zone during the buffer zone period.

<u>Roadway</u>: The portion of a street or highway improved, designed or ordinarily used for vehicular travel, exclusive of the sidewalk or shoulder even if such a sidewalk or shoulder is used by persons riding bicycles. In the event that a highway includes two or more separated roadways, the term *roadway* shall refer to any such roadway separately.

PRODUCT INFORMATION

Apply IRF166 as a preplant soil treatment only and as a part of an integrated pest management (IPM) program to aid in reducing or controlling the damaging effects of soil borne pests and diseases.

USE PRECAUTION

The product must only be used in a well-ventilated area. Do not use IRF166 if it cannot be applied according to the use patterns on the label.

Do not apply through any type of chemigation system.

APPLICATION WITH OTHER PRODUCTS

IRF166 may be applied with other pesticides or fertilizers by co-injection or co-application via the application methods outlined in this label. Consult specific product labels for additional information or restrictions concerning mix partner compatibility. Treat a small area first to ensure compatibility. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

SOIL TREATMENT APPLICATION METHODS

Apply as a preplant shank injection, broadcast/flat fume application, or raised bed shank application into the row. Specific directions for each application method are provided below.

Always follow label instructions to achieve optimum performance.

TARP REMOVAL. PERFORATION AND PLANTING INTERVAL

- Leave the soil undisturbed for at least 5 days after application is complete and prior to tarp cutting or perforation.
- For tarped applications, complete the cutting of the tarp or perforation/hole-punching 2 to 24 hours prior to tarp removal or planting to assist in IRF166 dissipation.
- Tarp cutters and removers shall wear long-sleeved shirt, long pants and gloves when removing tarps following application prior to planting.
- Cold, wet, or cold and wet soils can decrease dissipation of IRF166 and can require a longer soil exposure period.
- After application is complete, wait 10 days before seeding/planting the crop.
- In addition to the 10 day waiting period, use of a Jar Seedling and/or Transplant tests for safety steps can be performed prior to planting the target crop. See page(s) 8-9 of this label for instructions.

SOIL TREATMENT TIMING AND APPLICATION RATES

- **Number of applications per year:** IRF166 may be applied to soil as a pre-plant soil treatment prior to planting with subsequent applications allowable to the same soil within the same year provided the previous crop is completely harvested prior to application.
- Open field: Use 5 40 gallons of IRF166 per one acre (42.5 340 lb/A).
- Greenhouse: Use 5 40 gallons of IRF166 per one acre (42.5 340 lb/A) or 0.12 gal / 1,000ft² 0.92 gal/1,000ft².

TABLE 1. PRE-PLANT SOIL APPLICATION RATES

TABLE 1. PRE-PLANT SUIL APPLICATION RATES	<u> </u>	
TREATMENT SITE	BROADCAST RATES GAL/A*	BROADCAST RATES (LBS PRODUCT/A
Field soils to be planted to: Asparagus, brassica vegetables (broccoli, cauliflower), cereal grains, cucurbit crops (cucumber, squash, melons), fruiting vegetables (e.g. eggplant, peppers, tomatoes), herbs and spices, leek, leafy vegetables (lettuce), legume vegetables, pineapples, root and tuber vegetables (carrot, garlic, onion, potato, sweet potato)	5 - 40	42.5 - 340
Field soils to be planted to: Strawberries, berries (cane fruit), fruit and nut crops, citrus, pome fruit trees, stone fruit trees, tree nuts, tropical and subtropical fruits, vineyards	5 - 40	42.5 - 340
Nursery, Turf, and Ornamental Soils to be planted to: Turf, lawns, parks, golf greens, athletic fields, recreational turf area, ornamentals, floral crops, forest tree seedlings	5 - 40	42.5 - 340

Greenhouse soils to be planted to: Food and Non-food crops	5 - 40	42.5 - 340
Seed or Transplant beds to be planted to:, Food crops and non-food crops	5 - 40	42.5 - 340

*Use the higher labeled rates for muck and heavy clay soils, as well as for those pests and or diseases such as cyst forming nematodes, *Macrophomina, Fusarium or Phytophthora* or hard coated weed seeds for example Malva, Clover or Nutsedge

APPLICATION SITE CONDITION DIRECTIONS

Soil temperature: minimum of 60°F and maximum of 90°F at a typical application depth

Soil preparation:

- Ensure the soil is well prepared and generally free at the surface of large clods. Large clods can prevent efficient soil sealing and reduce effectiveness of the product.
- Cultivate the soil to a minimum depth of 5-8" and/or equal to the desired treatment depth.
- Thoroughly incorporate plant residues into the soil to allow decomposition prior to treatment.
 Leave little or no plant residue present on the soil surface. Undecomposed plant material can harbor pests that will not be controlled and can interfere with the soil seal after application. Let crop residue that is present lie flat to permit the soil to be sealed effectively.
- Where applicable, fracture compacted soil layers (plow pans) within the desired treatment zone before or during application of IRF166.

Soil moisture:

- It is critical to maintain adequate soil moisture before, during and 48 hours post-treatment.
 Plan soil treatment for seasons, crop rotations, or irrigation schedules which leave adequate moisture in the soil.
- The soil must be moist (typically with enough moisture to allow weed seeds to become imbibed) from 1.5 inches below the soil surface to at least the minimum desired depth of the target treatment zone. The amount of moisture needed (typically greater than 50% Available Water Content at 9 inches) in this zone will vary according to soil type. Use the USDA Feel and Appearance Method (http://www.oneplan.org/Water/soilmoist.pdf) or a device that will accurately measure soil moisture. The surface soil generally dries very rapidly and is not considered in this determination.

Weather Conditions:

- Prior to soil treatment the weather forecast for the day of application and the 48-hour period following the soil treatment must be checked to determine if unfavorable weather conditions exist or are predicted (such as no wind speed or the potential for inversion layers) and whether soil treatment can begin.
- If significant rainfall occurs within 24 hours after IRF166 application (enough to saturate soil that has been treated with IRF166), a reduction in pest control can occur.
- Apply IRF166 in the presence of wind speeds of at least 2 mph at the start of the applications or projected to reach at least 5 mph during the application.
- Check weather forecasts 48 hours prior to application to ensure proper conditions are present at the time of application. Weather conditions and or advisories can be downloaded

online at http://www.nws.noaa.gov.

Buffer Zones: Do not apply IRF166 within 25' of any occupied structure, such as a school, daycare, hospital, retirement home, business or residence.

PRE-PLANTING AFTER APPLICATION OF IRF166

Recontamination Prevention:

• IRF166 will control pests that are present in the soil treatment zone at the time of soil treatment. It will not control pests that are introduced into the soil after soil treatment period has ended. To avoid re-infestation of treated soil, DO NOT use irrigation water, transplants, seed pieces, or equipment that could carry soil-borne pests from infested land. Avoid contamination from moving infested soil onto treated beds through cultivation, movement of soil from outside the treated zone, dumping contaminated soil in treated fields and soil contamination from equipment or crop remains. Clean equipment carefully before entering treated fields.

Testing of Treated Soils Prior to Planting:

- Allow IRF166 to dissipate completely before planting the crop.
- When determining the appropriate time interval before planting, consideration of factors that impact IRF166 dissipation include rate of application, depth of injection, soil temperature, soil preparation and type, soil moisture and use of various plastic films and or water sealing.
- Use of a lettuce seed and or tomato/pepper transplant test can be used to determine if sufficient time has elapsed between soil treatment and planting as described below.

Lettuce Seed Test

- After a minimum of 7 days after application proceed with the following Seed Jar test.
- Use a trowel to dig into the treated soil to a depth at or just beneath the depth of IRF166 injection and remove 2 to 5 samples with enough soil to fill a quart sized jar half-way, mix lightly, apply moisture enough to germinate seeds, sprinkle seeds evenly over the soil surface and seal immediately with a lid for air tight conditions.
- Sample the field in several areas, especially those areas that are not representative of the general field conditions and or having higher moisture content, different soil texture or areas where rate delivery is different.
- Prepare another similar sample of untreated soil for comparison.
- Keep the jars out of direct sunlight and at a temperature of 65° to 85°F. (Direct sunlight can overheat and kill the seedlings). Lettuce seed will not germinate in the dark so place in diffuse sunlight.
- After 1 to 3 days, check each jar for seed germination.
- If seeds in the treated jar germinate and grow similar to the untreated soil sample then the treated area is safe for planting.

Tomato/Pepper Transplant Test

- After a minimum of 7 days after application proceed with the following transplant test.
- Transplant 5 to 10 healthy, actively growing tomato or pepper seedlings into treated beds at normal planting depth and several locations within the treated area. If available repeat in an area of field not treated with IRF166 for comparison. If a wetter, heavier area of the treated field is available place the transplants there.

• Inspect the transplants in 3 days for plant injury including wilt, chlorosis, or leaf and root tip burn. Ensure that proper soil moisture conditions exist for transplants to remain free from water stress. If plants in the treated area are asymptomatic and or are similar in growth and appearance to plants in the non-treated area it is safe to plant.

IRF166 TRACTOR MOUNTED SHANK RAISED BED AND BROADCAST/FLAT FUME APPLICATION USE DIRECTIONS:

Soil moisture:

• For tractor mounted shank applied treatments of IRF166 do not apply to dry soils. Target a soil moisture reading of ~50% or greater Available Water Content to a depth of 8 to 9 inches present for at least 24 to 48 hours prior to and until the start of the application.

Soil temperature at application:

• Minimum of 60° F and maximum of 90°F at application depth.

Application Methods and Equipment:

- Apply IRF166 using chisels spaced no more than 12 inches apart and no more than 3 outlets evenly spaced per chisel (rear and forward facing type shank). The top most outlets must be no less than 5 inches from the final air soil interface.
- For shank applications the use of tarps or a water cap does not eliminate the need to remove chisel traces. Use of a press board, ring roller or other device to effectively close chisel traces must be performed.

Application Depth:

• The point of injection must be a minimum of 5 inches from the final soil/air interface. The point of deep injection must be at a minimum of 18 inches from the final soil/air interface. Use deeper placement when fumigating soil to be planted to deep-rooted plants, such as perennial fruit and nut crops, or to control deeply distributed pests.

Application Type	Injection depth	Single Sweep Chisel Spacing	Noble Plow Injector Outlet Spacing	Yetter Rig Injector Spacing	Tarped Type Sealing, Applied immediately after application*	Non-Tarped Type Sealing
Broadcast Shallow Shank	5 – 15 inches	6 – 12 inches Use of no more than 3 nozzles per sweep with 4-5 inches / nozzle and bottom nozzle at no more than 15	6 – 12 inches	4 – 6 inches	PE, VIF, TIF	Overhead sprinkler, water cap and/or Roller/Packer to compact soil surface, and close chisel traces

		inches from soil surface				
Broadcast Deep Shank	> 17 inches	18 – 24inches	NA	NA	NA	Roller/packer to compact soil surface
Raised Bed shallow shank or Strip Application	8 – 15 inches	6 – 12 inches Use of no more than 3 nozzles per sweep with 4 – 5 inches / nozzle and bottom nozzle at no more than 15 inches from soil surface	NA	4 – 6 inches	PE, VIF, TIF	Overhead Sprinkler, water cap and/or Roller/Packer to compact soil surface, and close chisel traces

^{*} PE = Polyethylene film; VIF = Virtually Impermeable Film; TIF = Totally Impermeable Film

Prevention of End Row Spillage:

- Do not apply or allow IRF166 to spill onto the soil surface. Each injection line either needs a check valve located as close as possible to the soil injection point to avoid dripping or spillage. If a check valve system is not in place purge and drain the injection line prior to lifting the injection shanks from the ground.
- Only lift the injection shanks from the ground when the shut-off valve has been closed, and the IRF166 injection line has been depressurized to passively drain remaining IRF166or when the system has been actively purged (e.g. via air compressor).

Injection Rig Calibration, Set-up, Repair, and Maintenance:

- IRF166 application equipment must be calibrated and all control systems working properly. Proper calibration is critical to ensure IRF166 application rate and soil placement. Refer to the equipment manufacturer's instructions to properly calibrate the injection equipment. The equipment dealer, local Cooperative Extension Service, crop advisor or IRF166 dealer can provide assistance.
- Flush all equipment with water after each day's use; disassemble valves and clean carefully. All rinsate should be properly applied to the field.

Planting Interval for Raised Bed Shank and Broadcast/Flat Fume Application

- After application, leave the soil undisturbed for at least 5 days after application prior to tarp cutting or perforation/hole punching.
- For tarped applications, complete cutting of the tarp for removal or perforation/hole punching 2 to 24 hours prior to tarp removal or planting to assist in IRF166 dissipation.
- Tarp cutters and removers shall wear long-sleeved shirt, long pants and gloves when there is no waiting or aeration period between tarp cutting and removing the tarp following application and prior to planting.
- Soil can be planted with the target crop at a minimum of 10 days following application.

- Cold, wet, or cold and wet soils can decrease dissipation of IRF166 and can require a longer soil exposure and or aeration period.
- Soil applied under untarped shanked applications must remain undisturbed for a minimum of 10 days following completion of the application before tillage and or planting of the target crop.
- Use of a Jar Seedling and/or Transplant test for crop safety can be performed prior to planting the target crop. See pages 8-9 of this label for instructions.

PESTS CONTROLLED FROM SOIL TREATMENT USES

Nematodes

Common Name (if applicable)	Scientific Name
Pin nematode	Paratylenchus
Ring nematode	Mesocriconema (=Criconemoides,
,	=Criconemella)
Root knot nematode	Meloidogyne
Root-lesion nematode	Pratylenchus
Spiral nematode	Helicotylenchus
Sting nematode	Belonolaimus
Stubby-root nematode	Paratrichodorus
Stem and bulb nematode	Tylenchus

Soil Borne Fungi

Common Name (if applicable)	Scientific Name
Armillaria root rot	Armillaria mellea
Charcoal rot	Macrophomina phaseolina
Clubroot organism	Plasmodiophora
Corky root	Pyrenochaeta
Fusarium wilt	Fusarium spp.
Phytophthora	Phytophthora spp.
Pythium	Pythium spp.
Rhizoctonia	Rhizoctonia spp.
Southern blight	Sclerotium rolfsii
Verticillium wilt	Verticillium dahliae

Insects in the Soil at the Time of Treatment

Common Name (if applicable)	Scientific Name (if applicable)		
Cutworms			
Japanese beetles			
June beetles and larva			
Symphylan (centipedes)			
White grubs			
Wireworms			

Weeds

Common Name (if applicable)	Scientific Name
California burclover	Medicago lupulina
Common chickweed	Stellaria media

Common mallow	Malva neglecta	
Common purslane	Portulaca oleracea	
Field bindweed	Convolvulus arvensis	
Annual grass spp.		
Morningglory spp.	Ipomoea spp.	
Prostrate knotweed	Polygonum aviculare	
Purple nutsedge	Cyperus rotundus	
Yellow nutsedge	Cyperus eșculentus	

Mollusks: Slugs and Snails.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE

Store in original container in a cool, dry place.

PESTICIDE DISPOSAL

Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL for non-refillable containers

This is a non-refillable container. Do not reuse or refill this container. Empty the package completely and triple rinse container (or equivalent pressure rinse) promptly after emptying with water to be used for application. Then dispose of the empty container according to state and local regulations. Place in trash or offer for recycling if available or return it to the Seller, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

TRIPLE RINSING INSTRUCTIONS:

For rigid, nonrefillable containers small enough to shake (with capacities equal to or less than 5 gallons):

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

For rigid, non-refillable containers that are too large to shake (with capacities greater than 5 gallons):

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

PRESSURE RINSE PROCEDURE (all sizes):

Pressure rinse as follows: Empty the remaining contents into application equipment or a tank mix and continue to drain for 10 seconds after the flow begins to drip. Hold container upside

down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

CONTAINER DISPOSAL for rigid, refillable containers

Refillable container. Refill this container with IRF166 pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire label before using this product, including this Limitation of Warranty and Liability.

If the terms are not acceptable, return the product at once unopened for a refund of the purchase price.

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Directions for Use, subject to the inherent risks described below, when used in accordance with the Directions for Use under normal conditions. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ISAGRO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Buyers and Users of this product must be aware that there are inherent unintended risks associated to the use of this product, independent from the control of Isagro. These risks include, but are not limited to, weather conditions, soil factors, moisture conditions, diseases, irrigation practices, condition of the crop at the time of application, materials which are present in the tank mix with this product or prior to the application of it, cultural practices or the manner of use or application, all risks which are impossible to eliminate. The Buyers and Users should be aware that these factors may cause: ineffectiveness of the product, reduction of harvested yield of the crop (entirely or partially), crop injury or injury to non-target crops or plants or to rotational crops caused by carryover in the soil, resistance of the target weeds to this product. Therefore additional care, treatment and expense are required to take the crop to harvest.

If the Buyer does not agree with the acceptance of these risks, then THE PRODUCT SHOULD NOT BE APPLIED. To the extent consistent with applicable law, by applying this product the Buyer acknowledges and accepts these inherent unintended risks and AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

To the extent consistent with applicable law, ISAGRO or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product (including claims based in contract, negligence, strict liability, and other tort or otherwise). To the extent consistent with applicable law, the exclusive remedy of the User or Buyer and the

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exclusive Liability of Isagro or Seller shall be the return of the purchase price of the product, or at the election of Isagro or Seller, the replacement of the product.

To the extent consistent with applicable law, this Company does not warrant any product reformulated or repackaged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

Isagro or its Seller must have prompt notice of any claim so that an immediate inspection of Buyer's or User's can be made. To the extent consistent with applicable law, if Buyer and User do not notify Isagro or Seller of any claims, in proper time, it shall be barred from obtaining any remedy.

To the extent consistent with applicable law, Buyers and Users are deemed to have accepted the terms of this Limitation of Warranty and Liability, which may not be modified by any verbal or written agreement.